Cc 87-I-9(P)

PRELIMINARY REPORTS
INDUSTRY SERIES

1987

Census of
Construction Industries

CC87-I-9(P)
Issued June 1989

HEAVY CONSTRUCTION CONTRACTORS, NOT ELSEWHERE CLASSIFIED

(Industry 1629)

During 1987, the establishments with paid employees classified in this industry accounted for $27.6 billion in total dollar value of business. Of this amount, $26.0 billion were for the value of construction work. These establishments paid out $7.8 billion for materials, components, supplies, and fuels and $4.6 billion for construction work subcontracted to others. Total employment for this industry averaged 299,790 for the year with a total payroll of $7.7 billion. Value added for 1987 was $15.3 billion.

Establishments classified in this industry are primarily engaged in heavy construction projects, not elsewhere classified, such as construction of chemical complexes, dams and reservoirs, harbor and port facilities, missile facilities, oil refineries, subways, water and sewer treatment plants, light and power plants, industrial ovens and incinerators, and flood control projects. For additional examples, refer to the 1987 Standard Industrial Classification (SIC) Manual published by the Office of Management and Budget, Executive Office of the President.

The content of this industry has been changed in the 1987 revision of the SIC Manual. Contractors primarily engaged in the construction of athletic fields, bridle paths, golf courses, tennis courts, trails, and trailer camps were previously classified in Industry 1611, Highway and Street Construction Contractors, Except Elevated Highways, but are now included in this industry. Selected data will be tabulated using both the previous classification system and the 1987 revision for the final industry series.

A "construction establishment" is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sampled establishment covering domestic operations.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have excluded the value of work in progress during the calendar year. Receipts may have also excluded work done by builders engaged in construction for sale on their own account or for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

The data in this report are estimated from a sample survey and are subject to sampling variability as well as errors of response and nonreporting. The relative standard error shown in the tables is a measure of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are available upon request and will be included in the final report.

U.S. Department of Commerce
BUREAU OF THE CENSUS

For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

C 3.245/6:

READEX FICHE best copy available

Table 1. **Detailed Statistics for Establishments With Payroll: 1987 and 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 3]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
Number of establishments in business during year	14 753	7 662	1	2
Proprietors and working partners	3 518	1 914	4	5
All employees**	299 790	415 199	1	(W)
Construction workers:				
March	223 948	343 523	(W)	(W)
May	245 731	337 572	1	(W)
August	248 185	314 569	1	(W)
November	245 170	319 609	(W)	(W)
Average	240 752	329 475	(W)	(W)
Other employees:				
March	59 055	85 453	1	(W)
May	54 306	(NA)	1	(NA)
August	58 895	(NA)	1	(NA)
November	58 895	(NA)	1	(NA)
Average	59 038	(NA)	1	(NA)
Construction worker hours (thousands):				
January to March	94 552	148 261	1	(W)
April to June	108 465	148 188	1	(W)
July to September	111 104	153 780	1	(W)
October to December	109 563	153 732	1	(W)
Total hours worked	423 685	603 963	1	(W)
Payroll, all employees	7 683 393	11 062 660	(W)	(W)
Payroll, construction workers	5 792 740	8 649 399	(W)	(W)
Payroll, other employees	1 890 653	2 413 261	(W)	(W)
First quarter payroll, all employees	1 717 026	2 423 588	(W)	(W)
Employer costs for fringe benefits, all employees	1 861 287	1 903 384	(W)	(W)
Legally required expenditures	1 192 740	1 352 977	(W)	(W)
Voluntary expenditures	668 546	550 406	(W)	(W)
Dollar value of business done	27 642 111	36 310 245	(W)	(W)
Value of construction work[1]	26 024 427	33 657 455	(W)	(W)
Value of construction work subcontracted in from others	3 401 144	1 949 539	2	1
Land receipts[2]	(NA)	(NA)	(NA)	(NA)
Other business receipts	1 617 684	2 652 790	1	(W)
Net value of construction work†	21 445 637	26 391 852	(W)	(W)
Value added††	15 290 558	18 952 918	(W)	(W)
Selected costs	12 351 534	17 357 327	(W)	(W)
Materials, components, and supplies	7 133 169	9 452 406	(W)	(W)
Construction work subcontracted to others	4 578 789	7 265 602	1	(W)
Selected power, fuels, and lubricants	639 634	639 318	1	(W)
Electricity	64 957	105 820	1	(W)
Natural gas	5 324	16 962	2	(W)
Gasoline and diesel fuel	516 911	465 276	1	(W)
On highway use	211 167	(NA)	1	(NA)
Off highway use	305 744	(NA)	1	(NA)
Other, including lubricating oils and greases	52 563	51 259	1	1
Rental costs for machinery, equipment, and buildings	860 400	569 707	1	(W)
For machinery and equipment	764 576	473 109	1	1
For buildings	102 197	96 597	1	(W)
Selected purchased services	721 217	438 848	1	(W)
Communication services	106 160	115 854	1	(W)
Repairs to buildings and other structures	22 764	13 497	3	2
Repairs to machinery and equipment	593 308	309 496	1	1
Ownership of construction projects:				
Value of construction work	26 024 427	33 657 455	(W)	(W)
Government owned	9 333 616	8 105 801	1	(W)
Federal	2 940 515	(NA)	1	(NA)
State and local	6 393 100	(NA)	1	(NA)
Privately owned	16 690 810	25 551 654	1	(W)

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity done during the year.
[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

Table 2. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

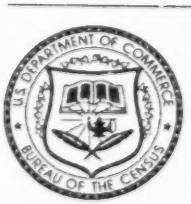
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see below.]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
Value of construction work[1]	**26 024 427**	**33 657 455**	**(W)**	**(W)**
Building construction	1 739 532	2 438 968	1	(W)
Office buildings	362 603	167 195	1	(W)
Other commercial buildings such as stores, restaurants, and automobile service stations	299 201	(NA)	3	(NA)
Industrial buildings and warehouses	374 120	1 765 154	2	(W)
Hospitals and institutional buildings	91 623	133 162	3	(W)
Other buildings	611 986	373 457	2	1
Nonbuilding construction	23 094 642	29 922 433	(W)	(W)
Highways, streets, and related facilities	938 577	709 021	1	(W)
Recreational facilities such as athletic fields, golf courses, and outdoor tennis courts	707 491	(NA)	3	(NA)
Bridges, tunnels, and elevated highways	543 137	414 175	1	(W)
Dam and reservoir construction	748 408	535 143	1	1
Marine construction	1 400 614	1 331 466	1	1
Harbor and port facilities	424 516	406 305	3	2
Conservation and development construction	1 172 050	465 380	2	3
Power and communication transmission lines, towers, and related facilities	279 861	159 663	3	1
Sewers, water mains, and related facilities	1 014 987	541 632	2	1
Sewers, sewer lines, and related facilities	591 755	367 376	2	1
Water mains and related facilities	423 231	174 255	2	2
Pipe line, other than sewer or water lines	255 500	337 907	2	(W)
Mass transit construction	791 434	1 642 480	2	(W)
Subways	273 388	1 051 937	(W)	(W)
Railroads	518 045	590 542	3	1
Blast furnaces, petroleum refineries, and chemical complexes	4 099 476	8 619 377	(W)	(W)
Power plants	4 333 179	10 851 818	(W)	(W)
Power plants, nuclear	1 472 826	5 621 458	(W)	(W)
Power plants, except nuclear	2 860 352	5 230 360	(W)	(W)
Sewage treatment and water treatment plants	3 192 071	2 142 784	1	1
Sewage treatment plants	2 281 873	1 501 290	1	1
Water treatment plants	910 198	641 493	1	1
Oilfields	292 827	839 291	3	1
Earthmoving, nonbuilding	1 981 490	(NA)	2	(NA)
Other nonbuilding construction	919 024	925 991	5	1
Construction work, n.s.k.	1 190 252	1 296 053	2	1

[1] In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity done during the year.

The following abbreviations and symbols are used in the tables in this publication:

* Sampling error exceeds 40 percent.
** All employees is the sum of all employees during pay periods including 12th of March, May, August, and November, divided by 4.
– Represents zero.
† Represents value of construction work less payments for construction work subcontracted to others.
†† Represents dollar value of business done less payments for construction work subcontracted to others, and payments for materials , components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "dollar value of business done".
(D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
(NA) Not available.
(S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
(W) Greater than zero but less than 1 percent.
(X) Not applicable.
n.s.k. Not specified by kind.


U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS